Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control application Number 10/684,713  TRANSMITTAL Filing Date 10/14/2003  First Named Inventor Poul Arthur Lourner	umber.					
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FORM First Named Inventor Paul Arthur Layman						
(to be used for all correspondence after initial filing)  Art Unit 2811						
Examiner Name Unassigned						
Attorney Docket Number Chandbar 25 19 9 12 5/075002 2	22					
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ENCLOSURES (Check all that apply)						
Fee Transmittal Form    Fee Attached						
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
Firm or John L. DeAngelis, Ir., Esquire, Reg. No. 30,622 Individual Signature John L. DeAngelis, Ir., Esquire, Reg. No. 30,622  Belisse Brownlee Wolfer Mora & Maire, P.A.						
Date February <u>AS</u> , 2004						
CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:    O2/ 25 /2004						
Typed or printed Pamela A. Pagel						
Signature Fan a. Pagel Date 02/25/2004						

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul Arthur Layman, et al

Group Art Unit: 2811

Serial No.: 10/684,713

Examiner: Unassigned

Filed: 10/14/2003

Confirmation No.: 4836

Atty. Docket No.: Chaudhry 25-18-8-12-5/075903-282

For: Multiple Operating Voltage Vertical Replacement-Gate (VRG) Transistor

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

[X] 1. Pursuant to 37 CFR 1.97(b) (within 3 months of filing or prior to 1<sup>st</sup> Office Action)

- [ ] 2. Certification Pursuant to 37 CFR 1.97(c) (before Final Office Action or Allowance)
- [ ] 3. Fee Payment Pursuant to 37 CFR 1.97(c) (before Final Office Action or Allowance)
- [ ] 4. Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d) (before issue fee payment)

February 25, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 and 1.98:

[X] 5. A list of documents on form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- [X] 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1<sup>st</sup> Office Action];
- [ ] 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier; and
- [ ] 8. The required certification made in item 11 below; or

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MAR O 1 20	9. The \$240.00 fee specified in 37 CFR §1.17(p) for submission of this Information sclosure Statement is authorized in item 14 below.
	[ ] 10. 37 CFR § 1.95(d): [before issue fee payment]; and
	a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR 1.17(i)(1) is enclosed via check. (Direct this letter to: "Attention PETITIONS EXAMINER" and if applicable include batch locator information: e.g. "Allowed Files, Batch, Date of Allowance"), and
	b) The required Certification is stated in item 11 below.
	[ ] 11. Certification
	[ ] 12. Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
	[ ] 13. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR

[ ] 14. Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. \_\_\_\_\_\_.

Respectfully submitted

An original and two (2) copies of this document are enclosed.

1.56(c) more than three (3) months prior to the filing of this Statement.

John L. DeAngelis, Jr., Esquire

Reg. No. 30,622

Beusse Brownlee Bowdoin & Wolter, P.A.

390 N. Orange Ave., Suite 2500

Orlando, FL 32801

(407) 926-7710

## **CERTIFICATE OF MAILING**

I HEREBY CERTIFY that this Supplemental Information Disclosure Statement is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 25 day of February, 2004.

Pamela A. Pagel

PTO/SB/08A (08-03)

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SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Complete if Known			
Application Number	10/684,713		
Filing Date	10/14/2003		
First Named Inventor	Paul Arthur Layman		
Art Unit	2811		
Examiner Name	Unassigned		
Attorney Docket Number	Chaudhry 25-18-8-12-5/075903-282		

F	T 6'4			DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Α	<sup>US-</sup> 6475866	11-05-2002	Hofmann, et al	
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Examiner	Date	
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	e for form 1449/PTO			Complete if Known		
•	PLEMENTA	<b>I</b> L		Application Number	10/684,713	
INFORMATION DISCLOSURE		Filing Date	10/14/2003			
STATEMENT BY APPLICANT		First Named Inventor	Paul Arthur Layman			
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	(Ose as many sne	ets as II	ecessary)	Examiner Name	Unassigned	
Sheet	2	of	2	Attorney Docket Number	Chaudhry 25-18-8-12-5/075903-282	

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	T <sup>2</sup>
		number(s), publisher, city and/or country where published.	
	1	DUDEK, ET AL, "Lithography-Independent Nanometer Silicon MOSFET's on Insulator", IEEE Transactions on Electron Devices, Vol. 43, No. 10, October 1996, pp. 1626-1631.	
	2	RISCH, ET AL, "Vertical MOS Transistors with 70 nm Channel Length", IEEE Transactions on Electron Devices, Vol. 43, No. 9, September 1996, pp. 1495-1498.	
-	3	TAKATO, ET AL, "Impact of Surrounding Gate Transistor (SGT) for Ultra-High-Density LSI's", IEEE Transactions on Electron Devices, Vol. 38, No. 3, March 1991, pp. 573-577.	
	4	TAKATO, ET AL, "High Performance CMOS Surrounding Gate Transistor (SGT) for Ultra High Density LSIs", IEDM 1988, pp. 222-225.	
	5	HERGENROTHER, ET AL, "The Vertical Replacement-Gate (VRG) MOSFET: A 50-nm Vertical MOSFET withLithography-Independent Gate Length", Technical Digest of IEDM, 1999, pp. 75-78.	
	6	OH, ET AL, "50 nm Vertical Replacement-Gate (VRG) pMOSFETs", IEEE 2000.	
	7	HERGENROTHER, ET AL, "The Vertical Replacement-Gate (VRG) MOSFETt: A High Performance Vertical MOSFET with Lithography-Independent Critical Dimensions", no publication information apparent from document.	
	8	MONROE, ET AL, "The Vertical Replacement-Gate (VRG) Process for Scalable, General-purpose Complementary Logic", Paper 7.5, pp. 1-7, date and publication information unknown.	

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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